

Table 4-5
FS-1 Source Area Groundwater Analytical Results
January 2002 - April 2002

Location	Date Sampled	Analyte	Concentration ($\mu\text{g/L}$)	Qualifier	Detection Limit ($\mu\text{g/L}$)	Drinking Water Benchmark		
						Benchmark	Type	Exceeded?
36MW0002	1/24/2002	1,1,1-TRICHLOROETHANE	ND	U	0.043			
36MW0002	3/22/2002	1,1,1-TRICHLOROETHANE	ND	U	2.64			
36MW0002	3/22/2002	1,1,2,2-TETRACHLOROETHANE	ND	U	2.38			
36MW0002	3/22/2002	1,1,2-TRICHLOROETHANE	ND	U	2			
36MW0002	3/22/2002	1,1-DICHLOROETHANE	ND	U	0.78			
36MW0002	1/24/2002	1,1-DICHLOROETHENE	ND	U	0.093			
36MW0002	3/22/2002	1,1-DICHLOROETHENE	ND	U	1.13			
36MW0002	3/22/2002	1,2,4-TRICHLOROBENZENE	ND	U	2.16			
36MW0002	3/22/2002	1,2-DIBROMO-3-CHLOROPROPANE	ND	U	8.8			
36MW0002	3/22/2002	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ND	U	2.46			
36MW0002	3/22/2002	1,2-DICHLOROBENZENE	ND	U	1.52			
36MW0002	3/22/2002	1,2-DICHLOROETHANE	ND	U	1.91			
36MW0002	3/22/2002	1,2-DICHLOROPROPANE	ND	U	1.54			
36MW0002	3/22/2002	1,3-DICHLOROBENZENE	ND	U	1.14			
36MW0002	3/22/2002	1,4-DICHLOROBENZENE	ND	U	1.9			
36MW0002	1/24/2002	ALUMINUM	ND	U	38	50 - 200	SMCL	No
36MW0002	3/22/2002	ALUMINUM	40.6	J	28			No
36MW0002	1/24/2002	ANTIMONY	ND	U	2.6			
36MW0002	3/22/2002	ANTIMONY	ND	U	2.5			
36MW0002	1/24/2002	ARSENIC	ND	U	7.3			
36MW0002	3/22/2002	ARSENIC	ND	UJ	3.6			
36MW0002	1/24/2002	BARIUM	27.6	J	0.2	2000	MCL	No
36MW0002	3/22/2002	BARIUM	25.7	J	0.5			No
36MW0002	1/24/2002	BENZENE	ND	U	0.043			
36MW0002	3/22/2002	BENZENE	ND	U	1.08			
36MW0002	1/24/2002	BERYLLIUM	ND	U	0.1			
36MW0002	3/22/2002	BERYLLIUM	ND	U	0.1			
36MW0002	3/22/2002	BROMOCHLOROMETHANE	ND	U	1.2			
36MW0002	3/22/2002	BROMODICHLOROMETHANE	ND	U	2.47			
36MW0002	3/22/2002	BROMOFORM	ND	U	4.34			
36MW0002	3/22/2002	BROMOMETHANE	ND	U	2.11			
36MW0002	1/24/2002	CADMIUM	ND	U	0.3			
36MW0002	3/22/2002	CADMIUM	ND	U	0.4			
36MW0002	1/24/2002	CALCIUM	3350	J	18.6	NA		
36MW0002	3/22/2002	CALCIUM	3180	J	12			
36MW0002	1/24/2002	CARBON TETRACHLORIDE	ND	U	0.192			
36MW0002	3/22/2002	CARBON TETRACHLORIDE	ND	U	3.09			
36MW0002	3/22/2002	CHLOROBENZENE	ND	U	0.99			
36MW0002	3/22/2002	CHLOROETHANE	ND	U	3.23			
36MW0002	3/22/2002	CHLOROFORM	ND	U	1.68			
36MW0002	3/22/2002	CHLOROMETHANE	ND	U	2.43			
36MW0002	1/24/2002	CHROMIUM, TOTAL	ND	UJ	0.8			
36MW0002	3/22/2002	CHROMIUM, TOTAL	ND	U	1.4			
36MW0002	1/24/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.133			
36MW0002	3/22/2002	cis-1,2-DICHLOROETHYLENE	ND	U	1.74			
36MW0002	3/22/2002	cis-1,3-DICHLOROPROPENE	ND	U	1.31			
36MW0002	1/24/2002	COBALT	ND	UJ	1.3			
36MW0002	3/22/2002	COBALT	ND	U	2.2			
36MW0002	1/24/2002	COPPER	ND	U	1.6			
36MW0002	3/22/2002	COPPER	ND	U	2.5			
36MW0002	3/22/2002	DIBROMOCHLOROMETHANE	ND	U	1.83			
36MW0002	1/24/2002	ETHYLBENZENE	152		0.081	700	MCL	No
36MW0002	3/22/2002	ETHYLBENZENE	134		0.89			No
36MW0002	1/24/2002	IRON	13300		16.6	300	SMCL	Yes
36MW0002	3/22/2002	IRON	12600		35			Yes
36MW0002	1/24/2002	LEAD	33.9		1.7	15	Action Level	Yes
36MW0002	3/22/2002	LEAD	248		1.5			Yes
36MW0002	1/24/2002	M,P-XYLENE (SUM OF ISOMERS)	594		0.015	10,000 total xylenes	MCL	No
36MW0002	3/22/2002	M,P-XYLENE (SUM OF ISOMERS)	393		2.62			No
36MW0002	1/24/2002	MAGNESIUM	822	J	18.3	NA		
36MW0002	3/22/2002	MAGNESIUM	839	J	22			
36MW0002	1/24/2002	MANGANESE	392		0.5	50	SMCL	Yes
36MW0002	3/22/2002	MANGANESE	385		0.6			Yes
36MW0002	1/24/2002	MERCURY	ND	U	0.1			
36MW0002	3/22/2002	MERCURY	ND	U	0.1			
36MW0002	3/22/2002	METHYLENE CHLORIDE	ND	U	2.14			
36MW0002	1/24/2002	NICKEL	ND	U	1.7			
36MW0002	3/22/2002	NICKEL	ND	U	1.8			
36MW0002	1/24/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	149		0.094	10,000 total xylenes	MCL	No
36MW0002	3/22/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	93.1		0.71			No

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Location	Date Sampled	Analyte	Concentration (µg/L)	Qualifier	Detection Limit (µg/L)	Drinking Water Benchmark		
						Benchmark	Type	Exceeded?
36MW0002	1/24/2002	POTASSIUM	1100	J	52.8	NA		
36MW0002	3/22/2002	POTASSIUM	1090	J	160			
36MW0002	1/24/2002	SELENIUM	ND	UJ	4.6			
36MW0002	3/22/2002	SELENIUM	ND	U	4.6			
36MW0002	1/24/2002	SILVER	ND	U	1.8			
36MW0002	3/22/2002	SILVER	ND	UJ	2.4			
36MW0002	1/24/2002	SODIUM	5030		288	NA		
36MW0002	3/22/2002	SODIUM	4750	J	790			
36MW0002	3/22/2002	STYRENE	ND	U	0.78			
36MW0002	1/24/2002	tert-BUTYL METHYL ETHER	ND	U	0.071			
36MW0002	3/22/2002	tert-BUTYL METHYL ETHER	ND	U	2.1			
36MW0002	1/24/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.12			
36MW0002	3/22/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.73			
36MW0002	1/24/2002	THALLIUM	ND	U	1.4			
36MW0002	3/22/2002	THALLIUM	ND	U	1.4			
36MW0002	1/24/2002	TOLUENE	141		0.025	1,000	MCL	No
36MW0002	3/22/2002	TOLUENE	121		0.925			No
36MW0002	1/24/2002	trans-1,2-DICHLOROETHENE	ND	U	0.065			
36MW0002	3/22/2002	trans-1,2-DICHLOROETHENE	ND	U	1.36			
36MW0002	3/22/2002	trans-1,3-DICHLOROPROPENE	ND	U	1.35			
36MW0002	1/24/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.072			
36MW0002	3/22/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.69			
36MW0002	1/24/2002	VANADIUM	ND	U	1.3			
36MW0002	3/22/2002	VANADIUM	ND	U	3.4			
36MW0002	1/24/2002	VINYL CHLORIDE	ND	U	0.114			
36MW0002	3/22/2002	VINYL CHLORIDE	ND	U	2.06			
36MW0002	1/24/2002	ZINC	ND	U	16.2			
36MW0002	3/22/2002	ZINC	ND	U	3.1			
36MW0007	1/24/2002	1,1,1-TRICHLOROETHANE	ND	U	0.043			
36MW0007	3/22/2002	1,1,1-TRICHLOROETHANE	ND	U	0.528			
36MW0007	3/22/2002	1,1,2,2-TETRACHLOROETHANE	ND	U	0.477			
36MW0007	3/22/2002	1,1,2-TRICHLOROETHANE	ND	U	0.4			
36MW0007	3/22/2002	1,1-DICHLOROETHANE	ND	U	0.156			
36MW0007	1/24/2002	1,1-DICHLOROETHENE	ND	U	0.093			
36MW0007	3/22/2002	1,1-DICHLOROETHENE	ND	U	0.226			
36MW0007	3/22/2002	1,2,4-TRICHLOROBENZENE	ND	U	0.433			
36MW0007	3/22/2002	1,2-DIBROMO-3-CHLOROPROPANE	ND	U	1.76			
36MW0007	3/22/2002	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ND	U	0.493			
36MW0007	3/22/2002	1,2-DICHLOROBENZENE	ND	U	0.305			
36MW0007	3/22/2002	1,2-DICHLOROETHANE	ND	U	0.382			
36MW0007	3/22/2002	1,2-DICHLOROPROPANE	ND	U	0.308			
36MW0007	3/22/2002	1,3-DICHLOROBENZENE	ND	U	0.229			
36MW0007	3/22/2002	1,4-DICHLOROBENZENE	ND	U	0.38			
36MW0007	1/24/2002	ALUMINUM	ND	U	46.9	50 - 200	SMCL	No
36MW0007	3/22/2002	ALUMINUM	41.2	J	28			No
36MW0007	1/24/2002	ANTIMONY	ND	U	2.6			
36MW0007	3/22/2002	ANTIMONY	ND	U	2.5			
36MW0007	1/24/2002	ARSENIC	ND	U	7.3	10	MCL	No
36MW0007	3/22/2002	ARSENIC	3.7	J	3.6			No
36MW0007	1/24/2002	BARIUM	14.6	J	0.2	2,000	MCL	No
36MW0007	3/22/2002	BARIUM	15.6	J	0.5			No
36MW0007	1/24/2002	BENZENE	ND	U	0.043			
36MW0007	3/22/2002	BENZENE	ND	U	0.216			
36MW0007	1/24/2002	BERYLLIUM	ND	U	0.1			
36MW0007	3/22/2002	BERYLLIUM	ND	U	0.1			
36MW0007	3/22/2002	BROMOCHLOROMETHANE	ND	U	0.239			
36MW0007	3/22/2002	BROMODICHLOROMETHANE	ND	U	0.494			
36MW0007	3/22/2002	BROMOFORM	ND	U	0.867			
36MW0007	3/22/2002	BROMOMETHANE	ND	U	0.422			
36MW0007	1/24/2002	CADMIUM	ND	U	0.3			
36MW0007	3/22/2002	CADMIUM	ND	U	0.4			
36MW0007	1/24/2002	CALCIUM	2070	J	18.6	NA		
36MW0007	3/22/2002	CALCIUM	1950	J	12			
36MW0007	1/24/2002	CARBON TETRACHLORIDE	ND	U	0.192			
36MW0007	3/22/2002	CARBON TETRACHLORIDE	ND	U	0.618			
36MW0007	3/22/2002	CHLOROBENZENE	ND	U	0.198			
36MW0007	3/22/2002	CHLOROETHANE	ND	U	0.646			
36MW0007	3/22/2002	CHLOROFORM	2.78		0.336	NA		
36MW0007	3/22/2002	CHLOROMETHANE	ND	U	0.486			
36MW0007	1/24/2002	CHROMIUM, TOTAL	3	J	0.8	100	MCL	No

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						Benchmark	Type	Exceeded?
36MW0007	3/22/2002	CHROMIUM, TOTAL	ND	U	1.4			No
36MW0007	1/24/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.133			
36MW0007	3/22/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.347			
36MW0007	3/22/2002	cis-1,3-DICHLOROPROPENE	ND	U	0.262			
36MW0007	1/24/2002	COBALT	ND	UJ	5.6			
36MW0007	3/22/2002	COBALT	ND	U	2.2			
36MW0007	1/24/2002	COPPER	ND	U	1.6			
36MW0007	3/22/2002	COPPER	ND	U	2.5			
36MW0007	3/22/2002	DIBROMOCHLOROMETHANE	ND	U	0.366			
36MW0007	1/24/2002	ETHYLBENZENE	87.8		0.081	700	MCL	No
36MW0007	3/22/2002	ETHYLBENZENE	69		0.178			
36MW0007	1/24/2002	IRON	7910		16.6	300	SMCL	Yes
36MW0007	3/22/2002	IRON	7860		35			
36MW0007	1/24/2002	LEAD	27		1.7	15	Action Level	Yes
36MW0007	3/22/2002	LEAD	36.4		1.5			
36MW0007	1/24/2002	M,P-XYLENE (SUM OF ISOMERS)	175		0.015	10,000 total xylenes	MCL	No
36MW0007	3/22/2002	M,P-XYLENE (SUM OF ISOMERS)	126		0.525			
36MW0007	1/24/2002	MAGNESIUM	1280	J	18.3	NA		
36MW0007	3/22/2002	MAGNESIUM	1270	J	22			
36MW0007	1/24/2002	MANGANESE	316		0.5	50	SMCL	Yes
36MW0007	3/22/2002	MANGANESE	327		0.6			
36MW0007	1/24/2002	MERCURY	ND	U	0.1			
36MW0007	3/22/2002	MERCURY	ND	U	0.1			
36MW0007	3/22/2002	METHYLENE CHLORIDE	ND	U	0.429			
36MW0007	1/24/2002	NICKEL	ND	U	1			
36MW0007	3/22/2002	NICKEL	ND	U	1.8			
36MW0007	1/24/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	71.8		0.094	10,000 total xylenes	MCL	No
36MW0007	3/22/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	52.8		0.142			
36MW0007	1/24/2002	POTASSIUM	880	J	52.8			
36MW0007	3/22/2002	POTASSIUM	879	J	160			
36MW0007	1/24/2002	SELENIUM	ND	UJ	4.6			
36MW0007	3/22/2002	SELENIUM	ND	U	4.6			
36MW0007	1/24/2002	SILVER	ND	U	1.8			
36MW0007	3/22/2002	SILVER	ND	UJ	2.4			
36MW0007	1/24/2002	SODIUM	4840	J	288	NA		
36MW0007	3/22/2002	SODIUM	5790		790			
36MW0007	3/22/2002	STYRENE	ND	U	0.156			
36MW0007	1/24/2002	tert-BUTYL METHYL ETHER	ND	U	0.071			
36MW0007	3/22/2002	tert-BUTYL METHYL ETHER	ND	U	0.42			
36MW0007	1/24/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.12			
36MW0007	3/22/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.146			
36MW0007	1/24/2002	THALLIUM	ND	U	1.4			
36MW0007	3/22/2002	THALLIUM	ND	U	1.4			
36MW0007	1/24/2002	TOLUENE	2.33		0.025	1,000	MCL	No
36MW0007	3/22/2002	TOLUENE	1.81		0.185			
36MW0007	1/24/2002	trans-1,2-DICHLOROETHENE	ND	U	0.065			
36MW0007	3/22/2002	trans-1,2-DICHLOROETHENE	ND	U	0.271			
36MW0007	3/22/2002	trans-1,3-DICHLOROPROPENE	ND	U	0.27			
36MW0007	1/24/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.072			
36MW0007	3/22/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.138			
36MW0007	1/24/2002	VANADIUM	ND	U	2.4			
36MW0007	3/22/2002	VANADIUM	ND	U	3.4			
36MW0007	1/24/2002	VINYL CHLORIDE	ND	U	0.114			
36MW0007	3/22/2002	VINYL CHLORIDE	ND	U	0.413			
36MW0007	1/24/2002	ZINC	ND	U	8.5			
36MW0007	3/22/2002	ZINC	ND	U	12.6			
36MW0010A	1/24/2002	1,1,1-TRICHLOROETHANE	ND	U	0.043			
36MW0010A	3/22/2002	1,1,1-TRICHLOROETHANE	ND	U	0.528			
36MW0010A	3/22/2002	1,1,2,2-TETRACHLOROETHANE	ND	U	0.477			
36MW0010A	3/22/2002	1,1,2-TRICHLOROETHANE	ND	U	0.4			
36MW0010A	3/22/2002	1,1-DICHLOROETHANE	ND	U	0.156			
36MW0010A	1/24/2002	1,1-DICHLOROETHENE	ND	U	0.093			
36MW0010A	3/22/2002	1,1-DICHLOROETHENE	ND	U	0.226			
36MW0010A	3/22/2002	1,2,4-TRICHLOROBENZENE	ND	U	0.433			
36MW0010A	3/22/2002	1,2-DIBROMO-3-CHLOROPROPANE	ND	U	1.76			
36MW0010A	3/22/2002	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ND	U	0.493			
36MW0010A	3/22/2002	1,2-DICHLOROBENZENE	ND	U	0.305			
36MW0010A	3/22/2002	1,2-DICHLOROETHANE	ND	U	0.382			
36MW0010A	3/22/2002	1,2-DICHLOROPROPANE	ND	U	0.308			
36MW0010A	3/22/2002	1,3-DICHLOROBENZENE	ND	U	0.229			

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Location	Date Sampled	Analyte	Concentration (µg/L)	Qualifier	Detection Limit (µg/L)	Drinking Water Benchmark		
						Benchmark	Type	Exceeded?
36MW0010A	3/22/2002	1,4-DICHLOROBENZENE	ND	U	0.38			
36MW0010A	1/24/2002	ALUMINUM	ND	U	51.2			
36MW0010A	3/22/2002	ALUMINUM	ND	U	28			
36MW0010A	1/24/2002	ANTIMONY	ND	U	2.6			
36MW0010A	3/22/2002	ANTIMONY	ND	U	2.5			
36MW0010A	1/24/2002	ARSENIC	ND	U	7.3			
36MW0010A	3/22/2002	ARSENIC	ND	UJ	3.6			
36MW0010A	1/24/2002	BARIUM	12.2	J	0.2	2,000	MCL	No
36MW0010A	3/22/2002	BARIUM	10.6	J	0.5			
36MW0010A	1/24/2002	BENZENE	ND	U	0.043			
36MW0010A	3/22/2002	BENZENE	ND	U	0.216			
36MW0010A	1/24/2002	BERYLLIUM	ND	U	0.1			
36MW0010A	3/22/2002	BERYLLIUM	ND	U	0.1			
36MW0010A	3/22/2002	BROMOCHLOROMETHANE	ND	U	0.239			
36MW0010A	3/22/2002	BROMODICHLOROMETHANE	ND	U	0.494			
36MW0010A	3/22/2002	BROMOFORM	ND	U	0.867			
36MW0010A	3/22/2002	BROMOMETHANE	ND	U	0.422			
36MW0010A	1/24/2002	CADMIUM	ND	U	0.3			
36MW0010A	3/22/2002	CADMIUM	ND	U	0.4			
36MW0010A	1/24/2002	CALCIUM	1750	J	18.6	NA		
36MW0010A	3/22/2002	CALCIUM	1600	J	12			
36MW0010A	1/24/2002	CARBON TETRACHLORIDE	ND	U	0.192			
36MW0010A	3/22/2002	CARBON TETRACHLORIDE	ND	U	0.618			
36MW0010A	3/22/2002	CHLOROBENZENE	ND	U	0.198			
36MW0010A	3/22/2002	CHLOROETHANE	ND	U	0.646			
36MW0010A	3/22/2002	CHLOROFORM	ND	U	0.336			
36MW0010A	3/22/2002	CHLOROMETHANE	ND	U	0.486			
36MW0010A	1/24/2002	CHROMIUM, TOTAL	1.9	J	0.8	100	MCL	No
36MW0010A	3/22/2002	CHROMIUM, TOTAL	1.7	J	1.4			
36MW0010A	1/24/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.133			
36MW0010A	3/22/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.347			
36MW0010A	3/22/2002	cis-1,3-DICHLOROPROPENE	ND	U	0.262			
36MW0010A	1/24/2002	COBALT	ND	UJ	1.3			
36MW0010A	3/22/2002	COBALT	ND	U	2.2			
36MW0010A	1/24/2002	COPPER	ND	U	1.2			
36MW0010A	3/22/2002	COPPER	ND	U	2.5			
36MW0010A	3/22/2002	DIBROMOCHLOROMETHANE	ND	U	0.366			
36MW0010A	1/24/2002	ETHYLBENZENE	ND	U	0.081			
36MW0010A	3/22/2002	ETHYLBENZENE	ND	U	0.178			
36MW0010A	1/24/2002	IRON	ND	U	19.3			
36MW0010A	3/22/2002	IRON	ND	U	35			
36MW0010A	1/24/2002	LEAD	ND	U	1.7			
36MW0010A	3/22/2002	LEAD	ND	U	1.5			
36MW0010A	1/24/2002	M,P-XYLENE (SUM OF ISOMERS)	ND	U	0.015			
36MW0010A	3/22/2002	M,P-XYLENE (SUM OF ISOMERS)	ND	U	0.525			
36MW0010A	1/24/2002	MAGNESIUM	1970	J	18.3	NA		
36MW0010A	3/22/2002	MAGNESIUM	1770	J	22			
36MW0010A	1/24/2002	MANGANESE	207		0.5	50	SMCL	Yes
36MW0010A	3/22/2002	MANGANESE	182		0.6			
36MW0010A	1/24/2002	MERCURY	ND	U	0.1			
36MW0010A	3/22/2002	MERCURY	ND	U	0.1			
36MW0010A	3/22/2002	METHYLENE CHLORIDE	ND	U	0.429			
36MW0010A	1/24/2002	NICKEL	ND	U	2.9	NA		
36MW0010A	3/22/2002	NICKEL	1.8	J	1.8			
36MW0010A	1/24/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	ND	U	0.094			
36MW0010A	3/22/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	ND	U	0.142			
36MW0010A	1/24/2002	POTASSIUM	ND	U	768	NA		
36MW0010A	3/22/2002	POTASSIUM	697	J	160			
36MW0010A	1/24/2002	SELENIUM	ND	UJ	4.6			
36MW0010A	3/22/2002	SELENIUM	ND	U	4.6			
36MW0010A	1/24/2002	SILVER	ND	U	1.8			
36MW0010A	3/22/2002	SILVER	ND	UJ	2.4			
36MW0010A	1/24/2002	SODIUM	5150		288	NA		
36MW0010A	3/22/2002	SODIUM	5300		790			
36MW0010A	3/22/2002	STYRENE	ND	U	0.156			
36MW0010A	1/24/2002	tert-BUTYL METHYL ETHER	ND	U	0.071			
36MW0010A	3/22/2002	tert-BUTYL METHYL ETHER	ND	U	0.42			
36MW0010A	1/24/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.12			
36MW0010A	3/22/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.146			
36MW0010A	1/24/2002	THALLIUM	ND	U	1.4			

Table 4-5
FS-1 Source Area Groundwater Analytical Results
January 2002 - April 2002

Location	Date Sampled	Analyte	Concentration (µg/L)	Qualifier	Detection Limit (µg/L)	Drinking Water Benchmark		
						Benchmark	Type	Exceeded?
36MW0010A	3/22/2002	THALLIUM	ND	U	1.4			
36MW0010A	1/24/2002	TOLUENE	ND	U	0.025			
36MW0010A	3/22/2002	TOLUENE	ND	U	0.185			
36MW0010A	1/24/2002	trans-1,2-DICHLOROETHENE	ND	U	0.065			
36MW0010A	3/22/2002	trans-1,2-DICHLOROETHENE	ND	U	0.271			
36MW0010A	3/22/2002	trans-1,3-DICHLOROPROPENE	ND	U	0.27			
36MW0010A	1/24/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.072			
36MW0010A	3/22/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.138			
36MW0010A	1/24/2002	VANADIUM	ND	U	1.3			
36MW0010A	3/22/2002	VANADIUM	ND	U	3.4			
36MW0010A	1/24/2002	VINYL CHLORIDE	ND	U	0.114			
36MW0010A	3/22/2002	VINYL CHLORIDE	ND	U	0.413			
36MW0010A	1/24/2002	ZINC	ND	U	5.7			
36MW0010A	3/22/2002	ZINC	ND	U	4.4			
36MW0015	1/28/2002	1,1,1-TRICHLOROETHANE	ND	U	0.043			
36MW0015	3/22/2002	1,1,1-TRICHLOROETHANE	ND	U	0.528			
36MW0015	3/22/2002	1,1,2,2-TETRACHLOROETHANE	ND	U	0.477			
36MW0015	3/22/2002	1,1,2-TRICHLOROETHANE	ND	U	0.4			
36MW0015	3/22/2002	1,1-DICHLOROETHANE	ND	U	0.156			
36MW0015	1/28/2002	1,1-DICHLOROETHENE	ND	U	0.093			
36MW0015	3/22/2002	1,1-DICHLOROETHENE	ND	U	0.226			
36MW0015	3/22/2002	1,2,4-TRICHLOROBENZENE	ND	U	0.433			
36MW0015	3/22/2002	1,2-DIBROMO-3-CHLOROPROPANE	ND	U	1.76			
36MW0015	3/22/2002	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ND	U	0.493			
36MW0015	3/22/2002	1,2-DICHLOROBENZENE	ND	U	0.305			
36MW0015	3/22/2002	1,2-DICHLOROETHANE	ND	U	0.382			
36MW0015	3/22/2002	1,2-DICHLOROPROPANE	ND	U	0.308			
36MW0015	3/22/2002	1,3-DICHLOROBENZENE	ND	U	0.229			
36MW0015	3/22/2002	1,4-DICHLOROBENZENE	ND	U	0.38			
36MW0015	1/28/2002	ALUMINUM	ND	U	176	50 - 200	SMCL	No
36MW0015	3/22/2002	ALUMINUM	95.1	J	28			No
36MW0015	1/28/2002	ANTIMONY	ND	U	2.6			
36MW0015	3/22/2002	ANTIMONY	ND	U	2.5			
36MW0015	1/28/2002	ARSENIC	ND	U	7.3			
36MW0015	3/22/2002	ARSENIC	ND	UJ	3.6			
36MW0015	1/28/2002	BARIUM	3.4	J	0.2	2000	MCL	No
36MW0015	3/22/2002	BARIUM	3	J	0.5			No
36MW0015	1/28/2002	BENZENE	ND	U	0.043			
36MW0015	3/22/2002	BENZENE	ND	U	0.216			
36MW0015	1/28/2002	BERYLLIUM	ND	U	0.1			
36MW0015	3/22/2002	BERYLLIUM	ND	U	0.1			
36MW0015	3/22/2002	BROMOCHLOROMETHANE	ND	U	0.239			
36MW0015	3/22/2002	BROMODICHLOROMETHANE	ND	U	0.494			
36MW0015	3/22/2002	BROMOFORM	ND	U	0.867			
36MW0015	3/22/2002	BROMOMETHANE	ND	U	0.422			
36MW0015	1/28/2002	CADMIUM	ND	U	0.3			
36MW0015	3/22/2002	CADMIUM	ND	U	0.4			
36MW0015	1/28/2002	CALCIUM	3050	J	18.6	NA	MCL	No
36MW0015	3/22/2002	CALCIUM	2980	J	12			No
36MW0015	1/28/2002	CARBON TETRACHLORIDE	ND	U	0.192			
36MW0015	3/22/2002	CARBON TETRACHLORIDE	ND	U	0.618			
36MW0015	3/22/2002	CHLOROBENZENE	ND	U	0.198			
36MW0015	3/22/2002	CHLOROETHANE	ND	U	0.646			
36MW0015	3/22/2002	CHLOROFORM	0.36	J	0.336	NA	MCL	No
36MW0015	3/22/2002	CHLOROMETHANE	ND	U	0.486			No
36MW0015	1/28/2002	CHROMIUM, TOTAL	6.6	J	0.8	100	MCL	No
36MW0015	3/22/2002	CHROMIUM, TOTAL	4.5	J	1.4			No
36MW0015	1/28/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.133			
36MW0015	3/22/2002	cis-1,2-DICHLOROETHYLENE	ND	U	0.347			
36MW0015	3/22/2002	cis-1,3-DICHLOROPROPENE	ND	U	0.262			
36MW0015	1/28/2002	COBALT	ND	U	1.3			
36MW0015	3/22/2002	COBALT	ND	U	2.2			
36MW0015	1/28/2002	COPPER	ND	UJ	1.2			
36MW0015	3/22/2002	COPPER	ND	U	2.5			
36MW0015	3/22/2002	DIBROMOCHLOROMETHANE	ND	U	0.366			
36MW0015	1/28/2002	ETHYLBENZENE	ND	U	0.081			
36MW0015	3/22/2002	ETHYLBENZENE	ND	U	0.178			
36MW0015	1/28/2002	IRON	213		16.6	300	SMCL	No
36MW0015	3/22/2002	IRON	153		35			No
36MW0015	1/28/2002	LEAD	ND	U	1.7			

Table 4-5
FS-1 Source Area Groundwater Analytical Results
January 2002 - April 2002

Location	Date Sampled	Analyte	Concentration (µg/L)	Qualifier	Detection Limit (µg/L)	Drinking Water Benchmark		
						Benchmark	Type	Exceeded?
36MW0015	3/22/2002	LEAD	ND	U	1.5			
36MW0015	1/28/2002	M,P-XYLENE (SUM OF ISOMERS)	ND	U	0.015			
36MW0015	3/22/2002	M,P-XYLENE (SUM OF ISOMERS)	ND	U	0.525			
36MW0015	1/28/2002	MAGNESIUM	1230	J	18.3	NA		
36MW0015	3/22/2002	MAGNESIUM	1200	J	22			
36MW0015	1/28/2002	MANGANESE	46		0.5	50	SMCL	No
36MW0015	3/22/2002	MANGANESE	45.9		0.6			No
36MW0015	1/28/2002	MERCURY	ND	U	0.1			
36MW0015	3/22/2002	MERCURY	ND	U	0.1			
36MW0015	3/22/2002	METHYLENE CHLORIDE	ND	U	0.429			
36MW0015	1/28/2002	NICKEL	ND	U	3.4	NA		
36MW0015	3/22/2002	NICKEL	3.4	J	1.8			
36MW0015	1/28/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	ND	U	0.094			
36MW0015	3/22/2002	O-XYLENE (1,2-DIMETHYLBENZENE)	ND	U	0.142			
36MW0015	1/28/2002	POTASSIUM	ND	U	546	NA		
36MW0015	3/22/2002	POTASSIUM	650	J	160			
36MW0015	1/28/2002	SELENIUM	ND	UJ	4.6			
36MW0015	3/22/2002	SELENIUM	ND	U	4.6			
36MW0015	1/28/2002	SILVER	ND	U	1.8			
36MW0015	3/22/2002	SILVER	ND	UJ	2.4			
36MW0015	1/28/2002	SODIUM	6610		288	NA		
36MW0015	3/22/2002	SODIUM	8130		790			
36MW0015	3/22/2002	STYRENE	ND	U	0.156			
36MW0015	1/28/2002	tert-BUTYL METHYL ETHER	ND	U	0.071			
36MW0015	3/22/2002	tert-BUTYL METHYL ETHER	ND	U	0.42			
36MW0015	1/28/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.12			
36MW0015	3/22/2002	TETRACHLOROETHYLENE(PCE)	ND	U	0.146			
36MW0015	1/28/2002	THALLIUM	ND	U	1.4			
36MW0015	3/22/2002	THALLIUM	ND	U	1.4			
36MW0015	1/28/2002	TOLUENE	ND	U	0.025			
36MW0015	3/22/2002	TOLUENE	ND	U	0.185			
36MW0015	1/28/2002	trans-1,2-DICHLOROETHENE	ND	U	0.065			
36MW0015	3/22/2002	trans-1,2-DICHLOROETHENE	ND	U	0.271			
36MW0015	3/22/2002	trans-1,3-DICHLOROPROPENE	ND	U	0.27			
36MW0015	1/28/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.072			
36MW0015	3/22/2002	TRICHLOROETHYLENE (TCE)	ND	U	0.138			
36MW0015	1/28/2002	VANADIUM	ND	U	1.3			
36MW0015	3/22/2002	VANADIUM	ND	U	3.4			
36MW0015	1/28/2002	VINYL CHLORIDE	ND	U	0.114			
36MW0015	3/22/2002	VINYL CHLORIDE	ND	U	0.413			
36MW0015	1/28/2002	ZINC	12	J	0.8	5,000 SMCL	SMCL	No
36MW0015	3/22/2002	ZINC	ND	U	9.7			No

Data Source: AFCEE, 13 September 2002, MMR-AFCEE Data Warehouse.

Notes:

Action Level = concentration which triggers water systems to take treatment steps

J = estimated concentration

MCL = EPA maximum contaminant level

MMCL = Massachusetts maximum contaminant level

NA = not available

ND = nondetect

SMCL = Massachusetts secondary maximum contaminant level

U = nondetect

UJ = estimated nondetect

µg/L = micrograms per liter

bold = exceeds MCL, MMCL, SMCL, or action level